

10091492

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal613sxx

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	Jul 15	Data from 1960-1976 added to RDISCLOSURE
NEWS	5	Jul 21	Identification of STN records implemented
NEWS	6	Jul 21	Polymer class term count added to REGISTRY
NEWS	7	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS	8	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	9	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	10	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS	11	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS	12	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS	13	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS	14	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	15	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	16	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	17	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS	18	SEP 22	DIPPR file reloaded
NEWS	19	SEP 25	INPADOC: Legal Status data to be reloaded
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation

10091492

of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 17:51:19 ON 26 SEP 2003

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:51:27 ON 26 SEP 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 SEP 2003 HIGHEST RN 593231-54-0

DICTIONARY FILE UPDATES: 25 SEP 2003 HIGHEST RN 593231-54-0

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 10091492.str

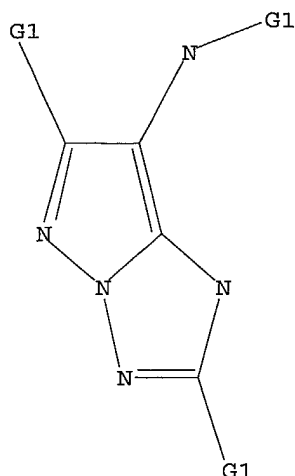
L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

10091492



G1 Ak,H,Cb

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 17:51:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 70 TO ITERATE

100.0% PROCESSED 70 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 899 TO 1901

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 17:51:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1609 TO ITERATE

100.0% PROCESSED 1609 ITERATIONS

50 ANSWERS

SEARCH TIME: 00.00.01

L3 50 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.36

FILE 'CAPLUS' ENTERED AT 17:51:51 ON 26 SEP 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

10091492

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Sep 2003 VOL 139 ISS 14  
FILE LAST UPDATED: 25 Sep 2003 (20030925/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

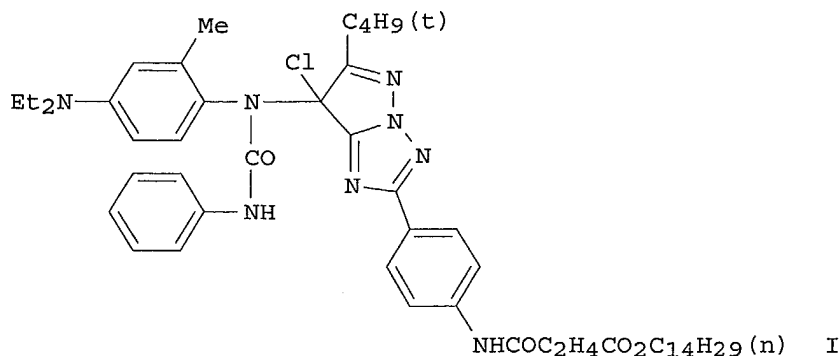
=> s l3 full  
L4 23 L3

=> d l4 1-23 ibib abs hitstr

L4 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2003:197607 CAPLUS  
DOCUMENT NUMBER: 138:229358  
TITLE: Materials for forming pigments and images and imaging methods  
INVENTOR(S): Sato, Hiroshi; Arai, Kinzo  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokyo Koho, 24 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003073577	A2	20030312	JP 2001-264490	20010831
PRIORITY APPLN. INFO.:			JP 2001-264490	20010831
OTHER SOURCE(S):	MARPAT	138:229358		

GI



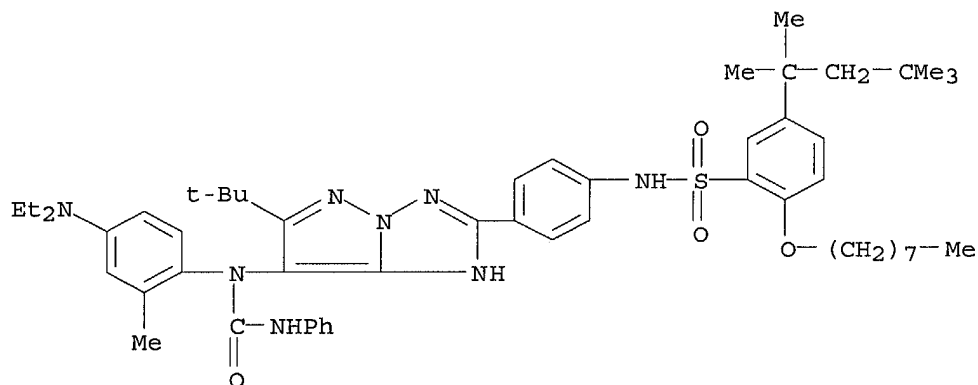
10091492

AB Azomethine precursors having arom. rings, coupler residues, carbamoyl groups, and leaving groups are treated with deprotective groups to form pigments. Thus, a dispersion contg. microencapsulated I and an emulsion contg. tetrabutylammonium octanoate (II), a color, (m-FC6H4)3B-C6H13 N+Bu4, trimethylolpropane trimethacrylate, p-(2-ethylhexyloxy)phenylsulfonamide, tricresyl phosphate, and Pionin A 41C were mixed at 0.25 mmol/m2 I and 0.5 mmol/m2 (II), coated on a white polyester base, and dried to prep. an image.

IT 501117-77-7  
RL: TEM (Technical or engineered material use); USES (Uses)  
(azomethine precursors and deprotective groups for forming pigments and images and imaging methods)

RN 501117-77-7 CAPLUS

CN Benzenesulfonamide, N-[4-[7-[[4-(diethylamino)-2-methylphenyl][(phenylamino)carbonyl]amino]-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2003:196640 CAPLUS

DOCUMENT NUMBER: 138:229304

TITLE: Heat- and pressure-sensitive imaging material and method of forming images by dry process

INVENTOR(S): Arai, Kinzo; Sato, Hiroshi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 54 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003076000	A2	20030312	JP 2001-269843	20010906

PRIORITY APPLN. INFO.: JP 2001-269843 20010906

OTHER SOURCE(S): MARPAT 138:229304

AB The imaging material comprises a support and an image-forming layer contg. a dye precursor and a deblocking agent which forms a dye upon reacting

10091492

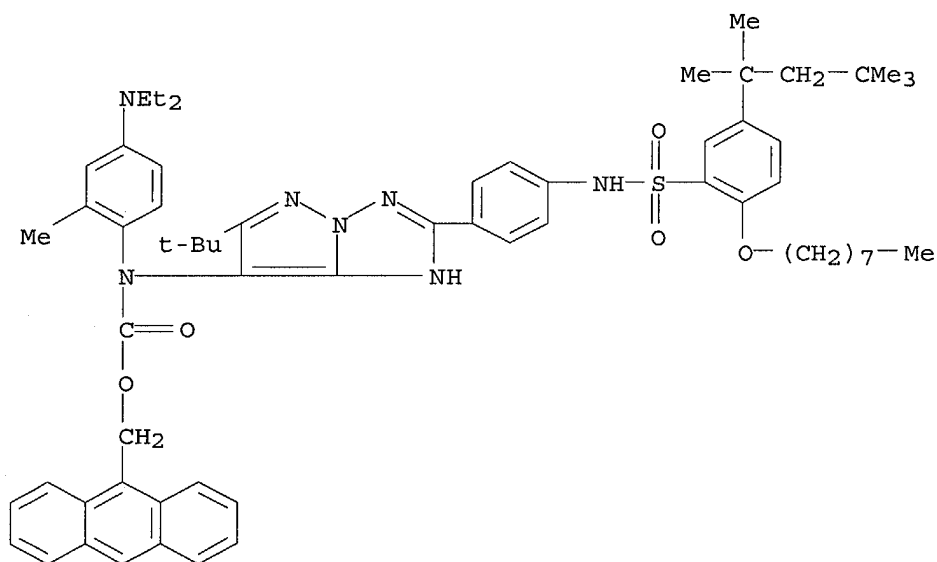
with the dye precursor, wherein the deblocking agent is a nucleophilic reagent. The material is directly subjected to imagewise heating or applying pressure to form an image. Alternatively, the imaging material may further contains a photopolymerizable compd. and a photopolymn. initiator and is imagewise-exposed to light first to form a latent image, and then subjected to heating or applying pressure to fix the image.

IT 501093-69-2

RL: TEM (Technical or engineered material use); USES (Uses)  
(dye precursor; heat- and pressure-sensitive imaging material contg. dye precursor and nucleophilic deblocking agent which react with dye precursor, and image formation by dry process)

RN 501093-69-2 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl][6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-, 9-anthracenylmethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2003:196365 CAPLUS

DOCUMENT NUMBER: 138:229286

TITLE: Image-forming material containing azomethine dye precursor and deblocking agent, and image forming method

INVENTOR(S): Sato, Hiroshi; Arai, Kinzo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

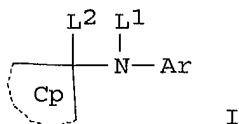
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

10091492

JP 2003072245 A2 20030312 JP 2001-264489 20010831  
PRIORITY APPLN. INFO.: JP 2001-264489 20010831  
OTHER SOURCE(S): MARPAT 138:229286  
GI



AB The material contains an azomethine dye precursor I [Ar = (substituted) arom. or heterocyclic ring; Cp = coupler residue; L1 = CO<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>R<sub>1</sub>; R<sub>1</sub> = (substituted) alkyl, aryl, or heterocycle; L2 = H, substituent to be released during dye formation] and a deblocking agent ApBq (A = group with mono- to tri-valent pos. charge; B = charge neutralizing group with neg. charge; p, q = 1-6) reacting with the precursor for azomethine dye formation. Images are formed by heating the material imagewise for reacting the precursor with the deblocking agent. The material may also contain a photopolymn. initiator and a polymerizable compd. (A), and images may be formed by irradiating light for curing A to form latent images and heating for forming the azomethine dye by reacting the dye with the deblocking agent. Images can be formed easily without using silver halide and liq. developer.

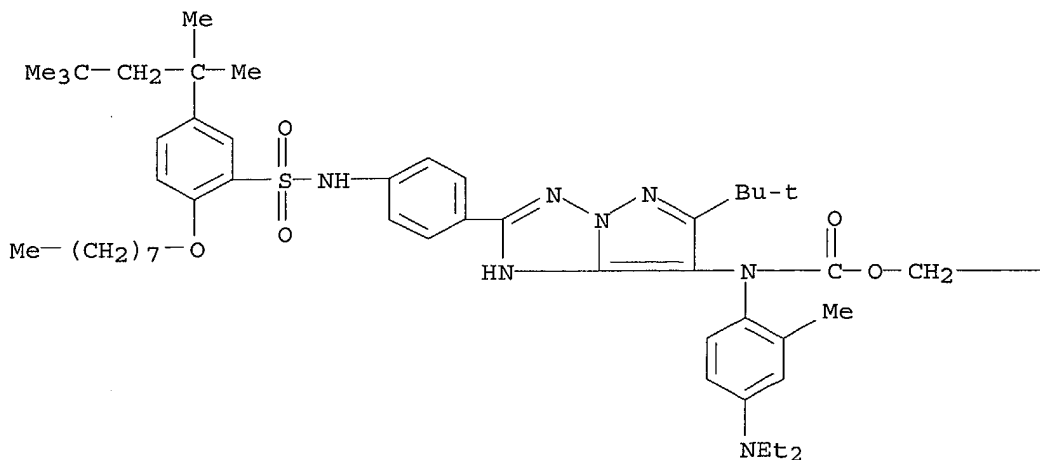
IT 501093-34-1

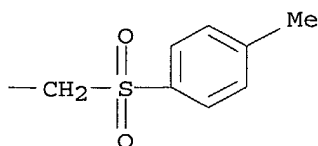
RL: TEM (Technical or engineered material use); USES (Uses)  
(thermal printing material contg. azomethine dye precursor and deblocking agent)

RN 501093-34-1 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl][6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-, 2-[(4-methylphenyl)sulfonyl]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

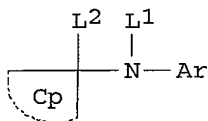




L4 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2002:921467 CAPLUS  
 DOCUMENT NUMBER: 138:18103  
 TITLE: Azomethine pigment formation materials, their  
 silver-free heat-developable photoimaging materials,  
 and photothermography using them  
 INVENTOR(S): Sato, Hiroshi; Arai, Kinzo; Hanasaki, Kyoko  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002348490	A2	20021204	JP 2001-160853	20010529
PRIORITY APPLN. INFO.:			JP 2001-160853	20010529
OTHER SOURCE(S):		MARPAT 138:18103		

GI



I

AB The pigment formation materials comprise (A) azomethine pigment precursors I (Ar = arom. ring, hetero ring; Cp = coupler residue; L1 = fluorenylmethoxycarbonyl; L2 = H, group leaving on pigment formation) and (B) ApBq (A = atom. group having mono-, di-, or tri-valent pos. charge; B = atom. group having neg. charge neutralizing A; p, q = 1-6). The materials contain photopolymerizable compds., which are cured by irradiation to form latent images and fix the pigment precursor distribution. Good



10091492

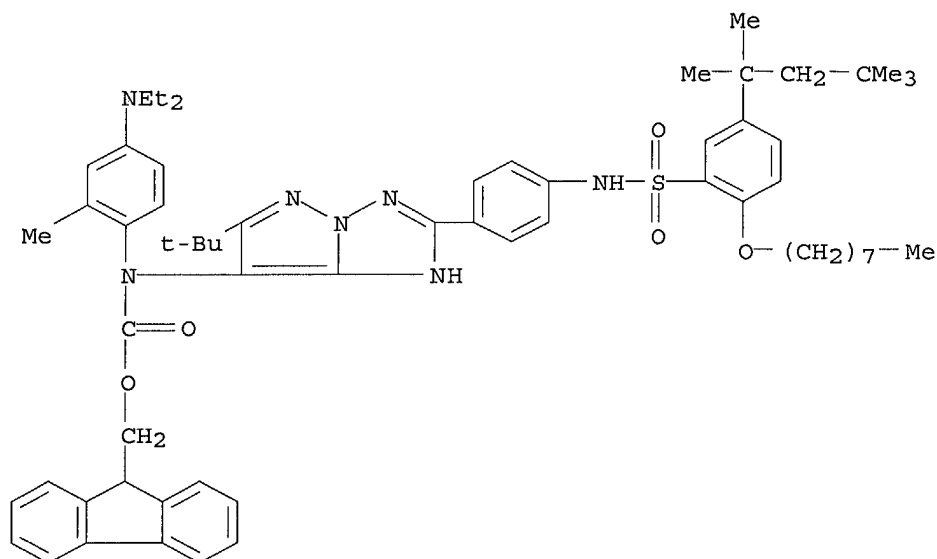
photothermog. images are obtained without liq. treatments by this invention.

IT 287399-76-2

RL: TEM (Technical or engineered material use); USES (Uses)  
(pigment precursor; azomethine pigments for heat-developable silver-free photoimaging materials)

RN 287399-76-2 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl][6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-, 9H-fluoren-9-ylmethyl ester  
(9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:765761 CAPLUS

DOCUMENT NUMBER: 137:286524

TITLE: Thermographic and photothermographic material containing dye precursor and deblocking agent

INVENTOR(S): Sato, Hiroshi; Matsumoto, Hirotaka

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 48 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002293039	A2	20021009	JP 2001-97318	20010329
PRIORITY APPLN. INFO.:			JP 2001-97318	20010329

OTHER SOURCE(S): MARPAT 137:286524

AB The material comprises a support coated with an image-forming layer contg. a dye precursor and meso ion compd., metal salt, or meso ion metal complex as a deblocking agent. The image-forming layer contains .gtoreq.1 of

10091492

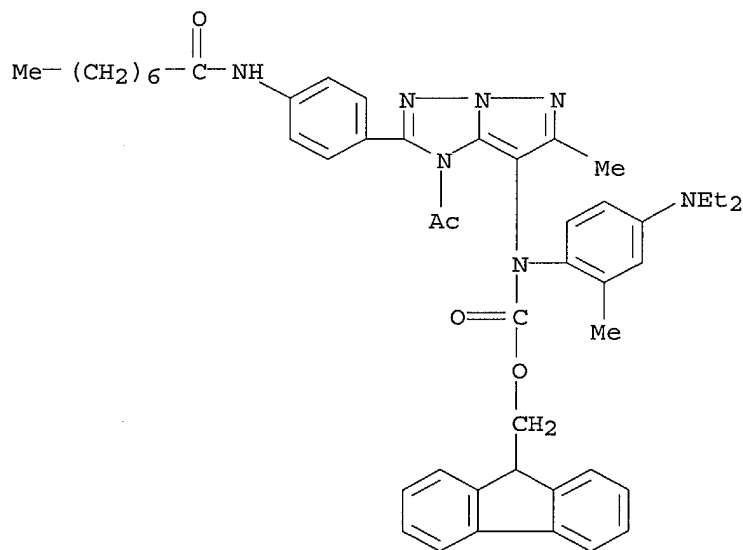
ArNLCp and ArNL1(CpL2) [Ar = (un)substituted arom. ring or heterocycle; Cp = coupler; L, L1 = blocking group; L2 = releasing or deblocking group after releasing L1] as a dye precursor and an oxidant or a metal salt as a deblocking agent. Image is formed by imagewise heating and/or pressing the material. The material may also contain a photopolymn. initiator and a polymerizable compd., and image is formed by irradiating the material with light to be absorbed by the photopolymn. initiator, forming latent images by polymg. the compd., and uniformly heating or pressing. The material shows high sensitivity and gives images by dry processing.

IT 466678-55-7 466678-57-9 466678-58-0  
466678-60-4

RL: TEM (Technical or engineered material use); USES (Uses)  
(thermog. material contg. dye precursor and deblocking agent)

RN 466678-55-7 CAPLUS

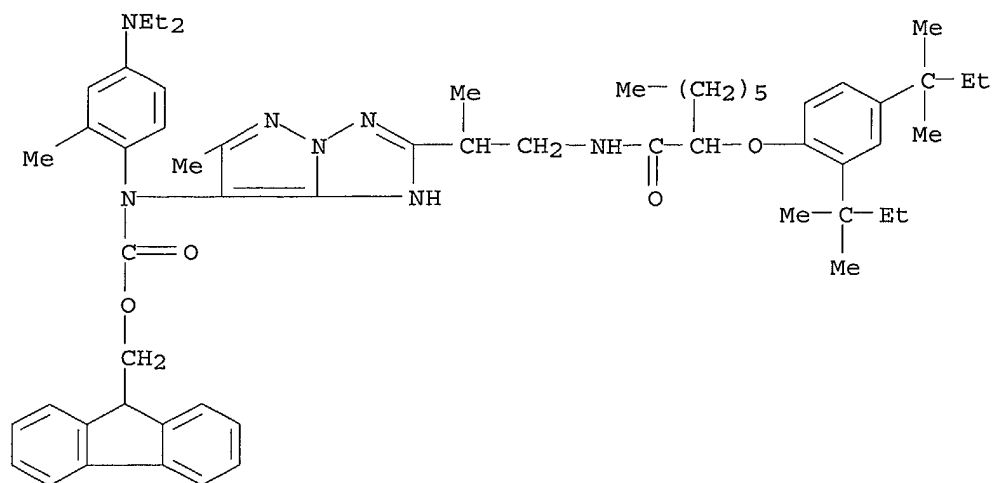
CN Carbamic acid, [1-acetyl-6-methyl-2-[4-[(1-oxooctyl)amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl][4-(diethylamino)-2-methylphenyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)



RN 466678-57-9 CAPLUS

CN Carbamic acid, [2-[2-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxooctyl]amino]-1-methylethyl]-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl][4-(diethylamino)-2-methylphenyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

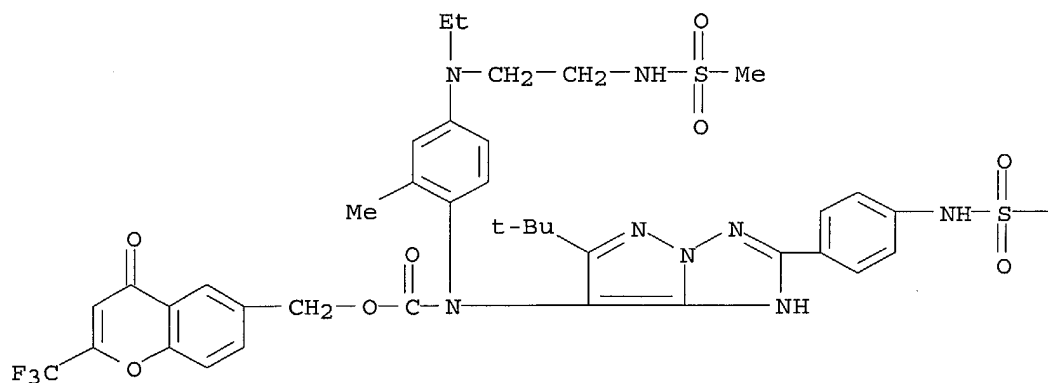
10091492



RN 466678-58-0 CAPLUS

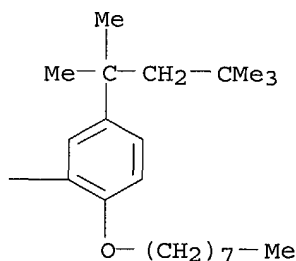
CN Carbamic acid, [6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl][4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]-, [4-oxo-2-(trifluoromethyl)-4H-1-benzopyran-6-yl]methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



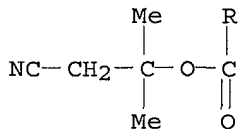
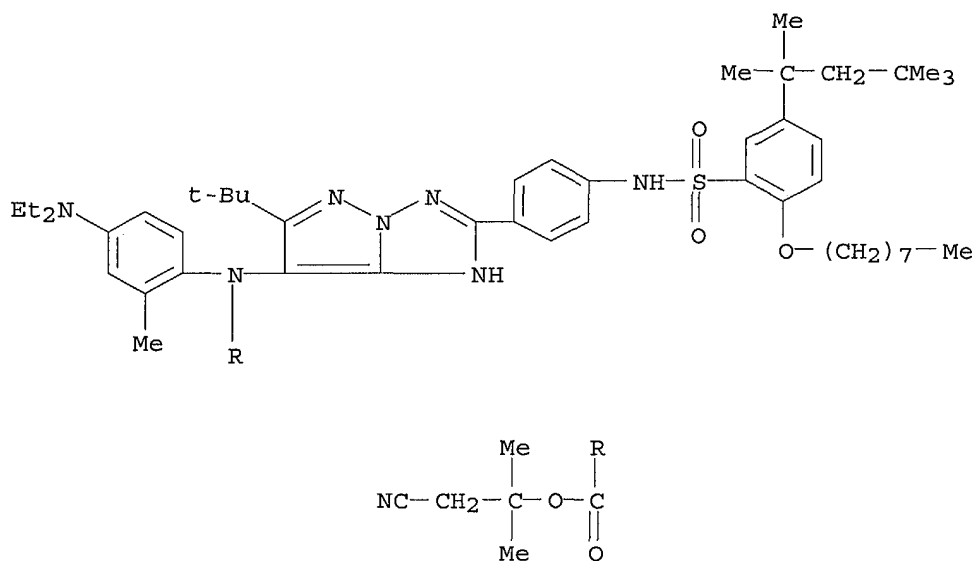
10091492

PAGE 1-B



RN 466678-60-4 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl] [6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-, 2-cyano-1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:715792 CAPLUS

DOCUMENT NUMBER: 133:288626

TITLE: Color development composition and recording material

INVENTOR(S): Ishikawa, Shunichi; Nakamura, Takeki; Morita, Kensuke

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

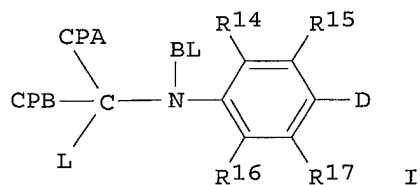
PATENT NO.

KIND DATE

APPLICATION NO. DATE

10091492

-----  
JP 2000282022      A2      20001010      JP 1999-93429      19990331  
PRIORITY APPLN. INFO.:      JP 1999-93429      19990331  
OTHER SOURCE(S):      MARPAT 133:288626  
GI



AB The compn. comprises a compd. producing an acid by light exposure and heat and a color developer I (D = NR18R19; R18,19 = H, substituent; R14-17 = H, substituent; R14 and R15, R15 and R18, R15 and R19, R16 and R17, R17 and R18, R17 and R19 may form ring; BL = block group, CONR20R201; R20,201 = H, substituent; CPA, CPB = coupler forming group; L = H, dissocd. group; L = dissocd. group from BL by acid).

IT 300371-74-8

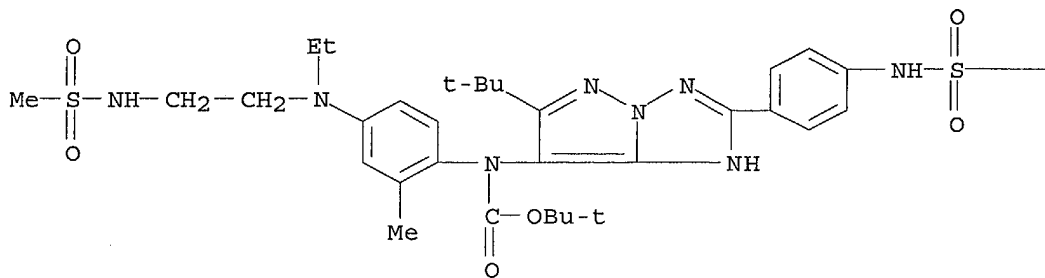
RL: PRP (Properties)

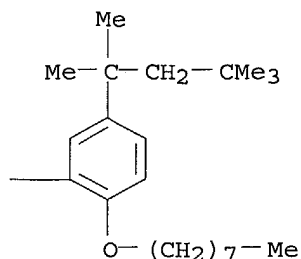
(color development compn. and recording material)

RN 300371-74-8 CAPLUS

CN Carbamic acid, [6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl][4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A





L4 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2000:526831 CAPLUS  
 DOCUMENT NUMBER: 133:151985  
 TITLE: Pigment precursor for image formation  
 INVENTOR(S): Takashim, Masanobua; Sato, Hiroshi; Matsumoto, Hiroataka; Fukushige, Hiroichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 52 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000212464	A2	20000802	JP 1999-20091	19990128
US 6528230	B1	20030304	US 2000-493111	20000128

PRIORITY APPLN. INFO.: JP 1999-20091 A 19990128

OTHER SOURCE(S): MARPAT 133:151985

AB The pigment precursor capable of changing color when contacting base compd. has a structure Ar-N(L)-Cp, where Ar is an arom. substituent, Cp is a color group, L is a protecting group. Thus a pigment precursor microcapsule made from (MeOC6H4)3B-Bu.cntdot.N+Bu4 was mixed with a base emulsion from N-methyloctadecylamine and amide compds. and applied to a imaging forming layer, which was covered by a protective layer with surfactant, showing coloring concn. 2.7.

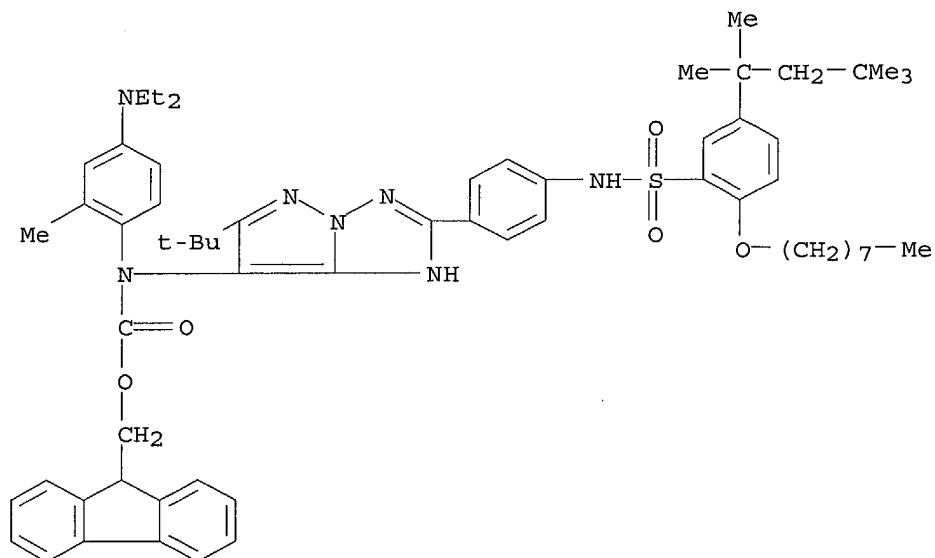
IT 287399-76-2P 287399-77-3P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (pigment precursor for image formation)

RN 287399-76-2 CAPLUS

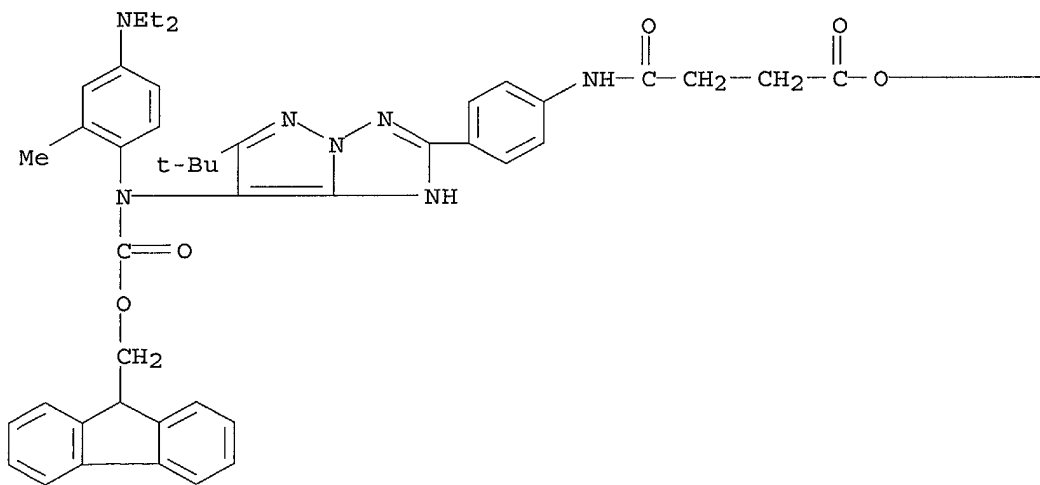
CN Carbamic acid, [4-(diethylamino)-2-methylphenyl][6-(1,1-dimethylethyl)-2-[4-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

10091492



RN 287399-77-3 CAPLUS  
 CN Butanoic acid, 4-[[4-[7-[[4-(diethylamino)-2-methylphenyl]][(9H-fluoren-9-ylmethoxy)carbonyl]amino]-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]-4-oxo-, tetradecyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

— (CH<sub>2</sub>)<sub>13</sub>—Me

10091492

L4 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1999:401531 CAPLUS  
DOCUMENT NUMBER: 131:49211  
TITLE: Oxidative hair dye preparations containing  
pyrazolo-azole derivatives  
INVENTOR(S): Vidal, Laurent; Maubru, Mireille  
PATENT ASSIGNEE(S): L'oreal, Fr.  
SOURCE: Eur. Pat. Appl., 39 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 923929	A1	19990623	EP 1998-402939	19981125
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2772379	A1	19990618	FR 1997-15947	19971216
FR 2772379	B1	20000211		
JP 11263790	A2	19990928	JP 1998-356792	19981215
JP 3135536	B2	20010219		
US 2002007520	A1	20020124	US 1998-212578	19981216
US 6379397	B2	20020430		
US 2002152558	A1	20021024	US 2002-91492	20020307
PRIORITY APPLN. INFO.:			FR 1997-15947	A 19971216
			US 1998-212578	A3 19981216

OTHER SOURCE(S): MARPAT 131:49211

AB The title compds. are prepd. for use in oxidative hair dye compns. Thus, 1H-7-amino-3,6-dimethylpyrazolo[3,2-c]-1,2,4-triazole dihydrochloride (I) was prepd. by hydrogenation of 1H-7-nitro-3,6-dimethylpyrazolo[3,2-c]-1,2,4-triazole over Pd/C in presence of a soln. of ethanolic HCl. A hair dye prepn. contained I 0.672, resorcin 0.330, benzylic acid 2, PEG 3, ethanol 18, Oramix CG110 6, 20% ammonia 10, sodium metabisulfite 0.208, sequestrant q.s. and water q.s. 100 g. At the time of use the prepn. is mixed with equal amt. of 6.10-3 mol% ammonium persulfate and applied on the hair for 30 min. The hair is then rinsed, washed with a shampoo, and dried to obtain an iris color.

IT 227610-58-4 227610-59-5 227610-60-8  
227610-61-9 227610-62-0 227610-63-1  
227610-64-2 227610-65-3 227610-66-4  
227610-67-5 227610-68-6 227610-69-7  
227610-70-0 227610-71-1 227610-72-2  
227610-86-8 227610-87-9 227610-88-0  
227610-90-4 227610-91-5 227610-92-6  
227610-94-8 227610-95-9

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

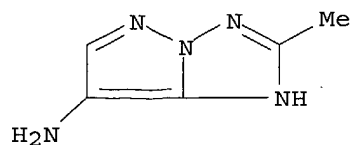
(oxidative hair dye prepn. contg. pyrazolo-azole derivs.)

RN 227610-58-4 CAPLUS

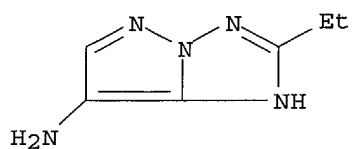
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-methyl- (9CI) (CA INDEX NAME)



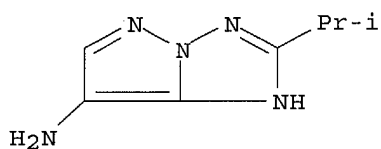
10091492



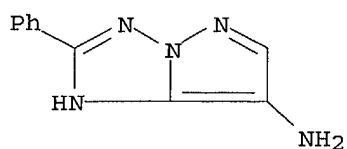
RN 227610-59-5 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-ethyl- (9CI) (CA INDEX NAME)



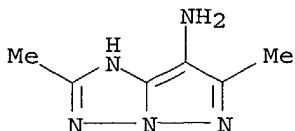
RN 227610-60-8 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-(1-methylethyl)- (9CI) (CA INDEX NAME)



RN 227610-61-9 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-phenyl- (9CI) (CA INDEX NAME)



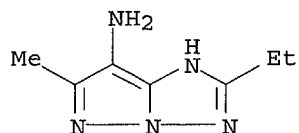
RN 227610-62-0 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2,6-dimethyl- (9CI) (CA INDEX NAME)



RN 227610-63-1 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-ethyl-6-methyl- (9CI) (CA INDEX NAME)

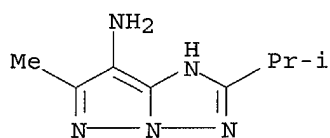
10091492

INDEX NAME)



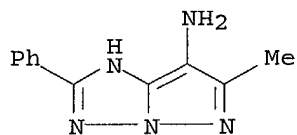
RN 227610-64-2 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 6-methyl-2-(1-methylethyl)-  
(9CI) (CA INDEX NAME)



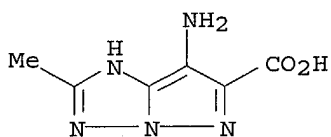
RN 227610-65-3 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 6-methyl-2-phenyl- (9CI) (CA  
INDEX NAME)



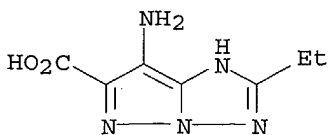
RN 227610-66-4 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxylic acid, 7-amino-2-methyl-  
(9CI) (CA INDEX NAME)



RN 227610-67-5 CAPLUS

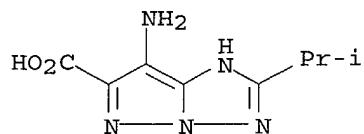
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxylic acid, 7-amino-2-ethyl-  
(9CI) (CA INDEX NAME)



RN 227610-68-6 CAPLUS

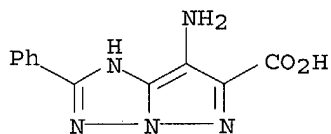
10091492

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxylic acid, 7-amino-2-(1-methylethyl)- (9CI) (CA INDEX NAME)



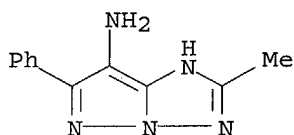
RN 227610-69-7 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxylic acid, 7-amino-2-phenyl- (9CI) (CA INDEX NAME)



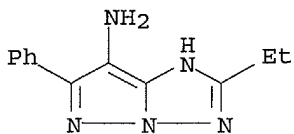
RN 227610-70-0 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-methyl-6-phenyl- (9CI) (CA INDEX NAME)



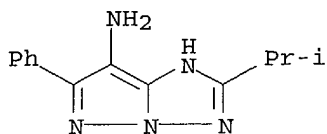
RN 227610-71-1 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-ethyl-6-phenyl- (9CI) (CA INDEX NAME)



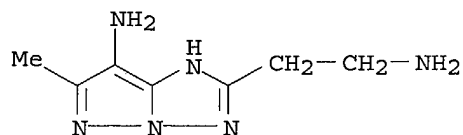
RN 227610-72-2 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2-(1-methylethyl)-6-phenyl- (9CI) (CA INDEX NAME)

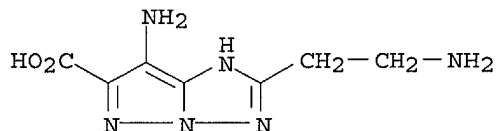


10091492

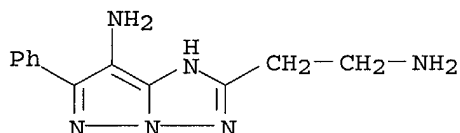
RN 227610-86-8 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanamine, 7-amino-6-methyl- (9CI)  
(CA INDEX NAME)



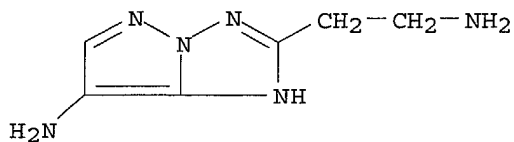
RN 227610-87-9 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxylic acid, 7-amino-2-(2-aminoethyl)- (9CI) (CA INDEX NAME)



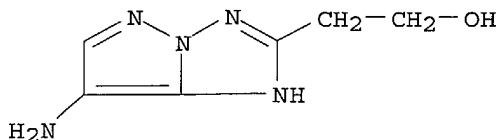
RN 227610-88-0 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanamine, 7-amino-6-phenyl- (9CI)  
(CA INDEX NAME)



RN 227610-90-4 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanamine, 7-amino- (9CI) (CA INDEX NAME)

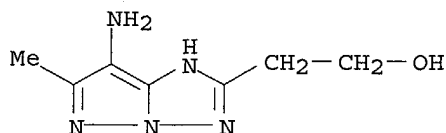


RN 227610-91-5 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanol, 7-amino- (9CI) (CA INDEX NAME)

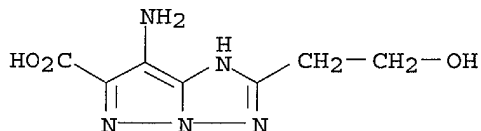


10091492

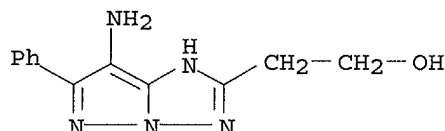
RN 227610-92-6 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanol, 7-amino-6-methyl- (9CI) (CA INDEX NAME)



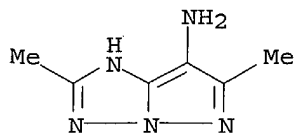
RN 227610-94-8 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxylic acid, 7-amino-2-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 227610-95-9 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanol, 7-amino-6-phenyl- (9CI) (CA INDEX NAME)



IT **227611-82-7P**  
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(oxidative hair dye preps. contg. pyrazolo-azole derivs.)  
RN 227611-82-7 CAPLUS  
CN 1H-Pyrazolo[1,5-b][1,2,4]triazol-7-amine, 2,6-dimethyl-, monohydrochloride (9CI) (CA INDEX NAME)



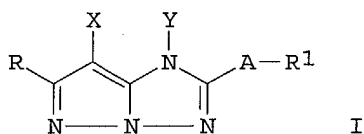
● HCl

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10091492

L4 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1991:502709 CAPLUS  
DOCUMENT NUMBER: 115:102709  
TITLE: Silver halide color photographic material containing  
pyrazoloazole-type cyan coupler  
INVENTOR(S): Kita, Hiroshi; Kida, Shuji; Kaneko, Yutaka;  
Hirabayashi, Shigeto  
PATENT ASSIGNEE(S): Konica Co., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02201358	A2	19900809	JP 1989-21748	19890130
PRIORITY APPLN. INFO.: GI			JP 1989-21748	19890130



AB A red-sensitive Ag halide emulsion layer of the title photog. material contains a coupler I (R = electron acceptor or moiety forming H bond; A = arylene; X = moiety which is bonded with C at coupling position via O, S, or N and is capable of being released by reaction with oxidized product of a color developing agent; Y = H or moiety released during development). This photog. material contg. the cyan coupler with good spectral characteristics gives improved color d. and sharp and stable cyan images.

IT 133922-11-9

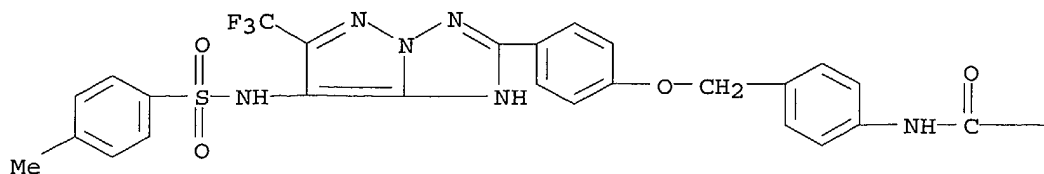
RL: USES (Uses)

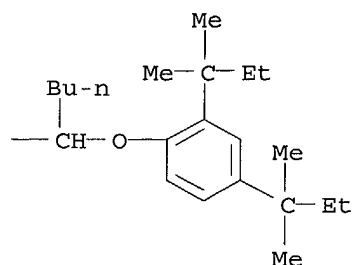
(cyan coupler, red-sensitive photog. emulsion layer contg.)

RN 133922-11-9 CAPLUS

CN Hexanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[4-[[4-[7-[[4-methylphenyl)sulfonyl]amino]-6-(trifluoromethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenoxy]methyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A





L4 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1989:31337 CAPLUS  
 DOCUMENT NUMBER: 110:31337  
 TITLE: Silver halide color photographic materials containing magenta couplers  
 INVENTOR(S): Kida, Shuji; Nakagawa, Satoshi  
 PATENT ASSIGNEE(S): Konica Co., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63153547	A2	19880625	JP 1986-300517	19861217
JP 07119991	B4	19951220		

PRIORITY APPLN. INFO.: JP 1986-300517 19861217

OTHER SOURCE(S): MARPAT 110:31337

GI For diagram(s), see printed CA Issue.

AB 1H-Pyrazolo[1,5-b][1,2,4]triazole derivs. substituted at the 2-position by a group I (R1-3 = substituents; m = 0-3) are contained in Ag halide emulsion layers of the photog. materials, as magenta couplers. These couplers provide improved color reprodn. and color formation. Thus, photog. paper was coated with green-sensitive Ag(Cl,Br) emulsion mixed with di-Bu phthalate-EtOAc emulsion of II (0.15 mol coupler/ mol Ag) and other additives. Exposed and processed paper showed high sensitivity, wide gradation, and max. d. 3.03.

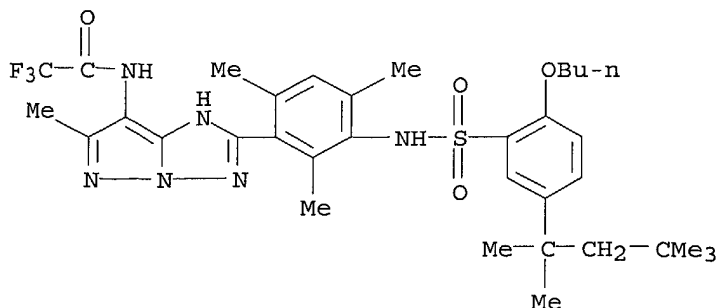
IT 118188-84-4

RL: TEM (Technical or engineered material use); USES (Uses)  
 (photog. magenta coupler, photog. paper contg.)

RN 118188-84-4 CAPLUS

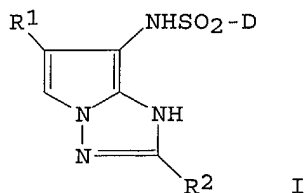
CN Acetamide, N-[2-[3-[[[2-butoxy-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]-2,4,6-trimethylphenyl]-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

10091492



L4 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1988:619492 CAPLUS  
 DOCUMENT NUMBER: 109:219492  
 TITLE: Dye-releasing compound-containing diffusion-transfer color photographic material  
 INVENTOR(S): Kawada, Ken; Sato, Kozo; Hirai, Hiroyuki  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63074055	A2	19880404	JP 1986-220523	19860918
JP 05087820	B4	19931220		
PRIORITY APPLN. INFO.: GI			JP 1986-220523	19860918



AB The title material contains a photosensitive Ag halide, a binder, and a dye-releasing compd. (I) (R1, R2 = H, halo, CN, aryl, heterocycle, alkoxy, aryloxy, acyloxy, alkylsulfonyloxy, arylsulfonyloxy, acylamino, anilino, ureido, alkylsulfonylamino, arylsulfonylamino, alkylthio, alkoxy-carbonylamino, aryloxy-carbonylamino, carbamoyl, acyl, alkylsulfonyl, arylsulfonyl; R1 and/or R2 have C.gtoreq.10; and D = dye moiety or its precursor) capable of releasing a diffusive dye by oxidn. during development. This material gives high color d. on dye transfer.

IT 116221-55-7  
 RL: USES (Uses)  
 (dye-releasing compd. , for diffusion-transfer color photog. material)

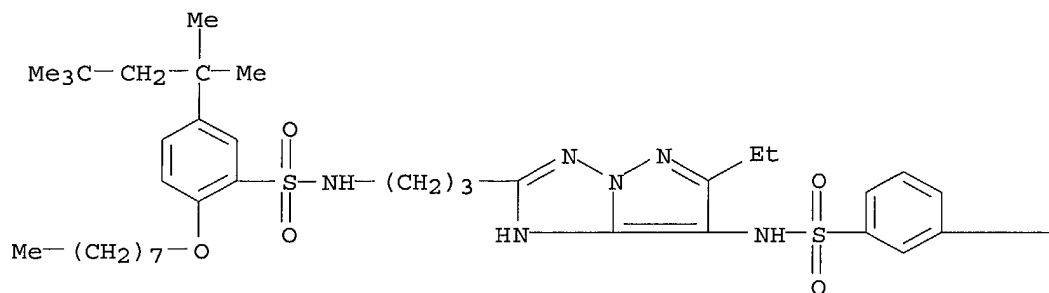
RN 116221-55-7 CAPLUS



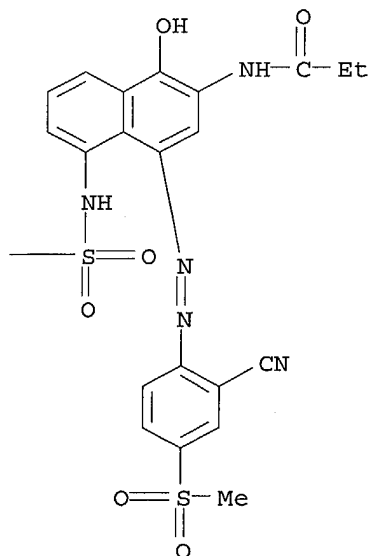
10091492

CN Propanamide, N-[4-[2-cyano-4-(methylsulfonyl)phenyl]azo]-5-[[[3-[[[6-ethyl-2-[3-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]propyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]amino]sulfonyl]phenyl]sulfonyl]amino]-1-hydroxy-2-naphthalenyl]- (9CI)  
(CA INDEX NAME)

PAGE 1-A



PAGE 1-B



IT 116221-54-6

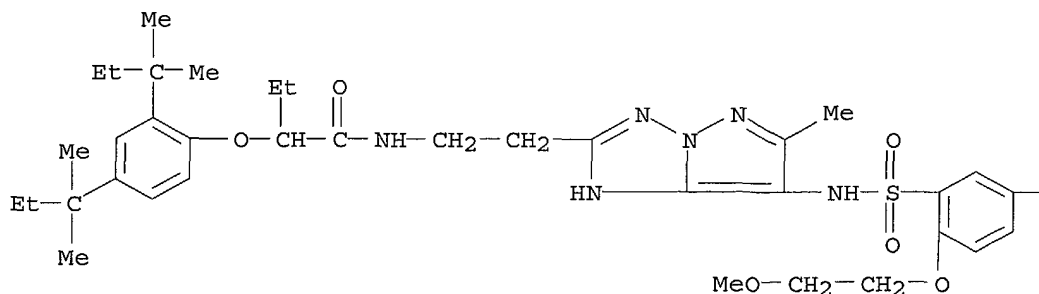
RL: USES (Uses)

(dye-releasing compd., for diffusion-transfer color photog. material)

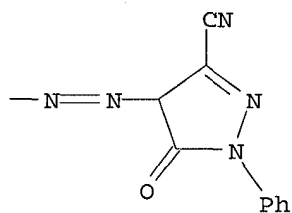
RN 116221-54-6 CAPLUS

CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[2-[7-[[[5-[(3-cyano-4,5-dihydro-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-(2-methoxyethoxy)phenyl]sulfonyl]amino]-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



IT 117599-25-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of, dye-releasing compd. from, for diffusion-transfer color photog. material)

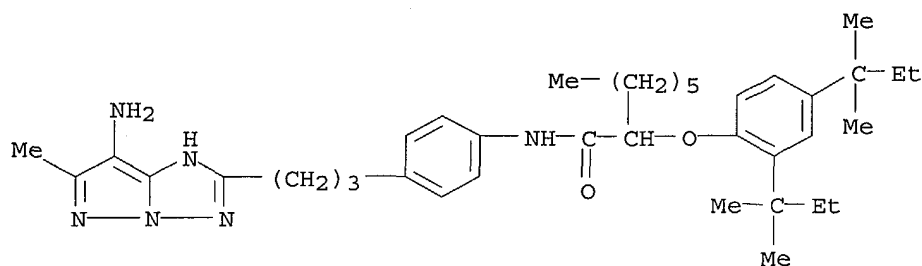
RN 117599-25-4 CAPLUS

CN Stannate(1-), pentachloro-, hydrogen, compd. with N-[4-[3-(7-amino-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]phenyl]-2-[2,4-bis(1,1-dimethylpropyl)phenoxy]octanamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 117599-24-3

CMF C38 H56 N6 O2



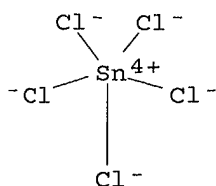
10091492

CM 2

CRN 44245-56-9

CMF Cl5 Sn . H

CCI CCS



● H<sup>+</sup>

IT 116221-53-5P

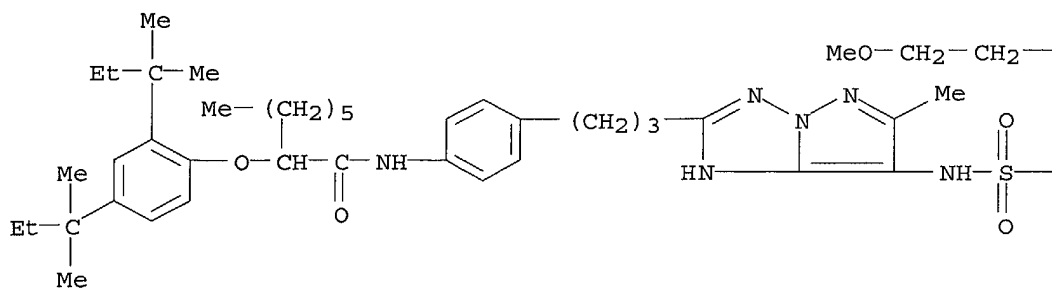
RL: PREP (Preparation)

(prepn. of, as dye-releasing compd. , for diffusion-transfer color photog. material)

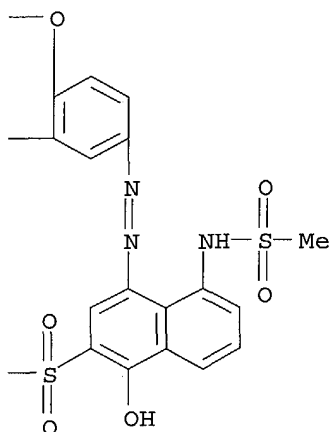
RN 116221-53-5 CAPLUS

CN Octanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[4-[3-[7-[[[5-[3-[(diethylamino)sulfonyl]-4-hydroxy-8-[(methylsulfonyl)amino]-1-naphthalenyl]azo]-2-(2-methoxyethoxy)phenyl]sulfonyl]amino]-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



Et<sub>2</sub>N—



L4 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1988:501764 CAPLUS  
 DOCUMENT NUMBER: 109:101764  
 TITLE: Silver halide color photographic material containing  
 pyrazoloazole magenta coupler  
 INVENTOR(S): Kida, Shuji; Tanaka, Takako; Nakagawa, Satoshi  
 PATENT ASSIGNEE(S): Konica Co., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63064046	A2	19880322	JP 1986-209971	19860905
JP 06040212	B4	19940525		

PRIORITY APPLN. INFO.: JP 1986-209971 19860905

OTHER SOURCE(S): MARPAT 109:101764

GI For diagram(s), see printed CA Issue.

AB The title material contains pyrazoloazole magenta coupler I (R1= alkyl; R2-3= H, substituent; Z1-3 = (un)substituted methine, (un)substituted methylene, N, NH; either 1 of Z1-Z2 and Z2-Z3 bonds is a double bond, and the other is a single bond; X = H, group released through coupling). The coupler is resistant to HCHO, and provides stable images. Thus, a polyester base was coated with a green-sensitive Ag(I,Br) emulsion contg. 0.1 mol/mol Ag of emulsified II. The exposed and processed film showed high sensitivity, high image d., and resistance to HCHO vapor (7% decrease of image d. by 3-day exposure at 32.degree.).

IT 116042-78-5

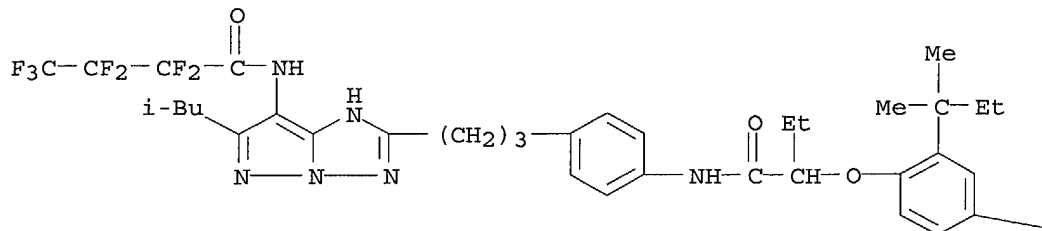
RL: USES (Uses)

(magenta coupler, formaldehyde-resistant)

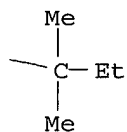
RN 116042-78-5 CAPLUS

CN Butanamide, N-[2-[3-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]phenyl]propyl]-6-(2-methylpropyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-2,2,3,3,4,4,4-heptafluoro- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L4 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1988:414569 CAPLUS  
 DOCUMENT NUMBER: 109:14569  
 TITLE: Silver halide color photographic material containing  
 pyrazolotriazole magenta coupler  
 INVENTOR(S): Shimazaki, Hiroshi; Fujiwara, Mitsuto  
 PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 191 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 236131	A2	19870909	EP 1987-301863	19870304
EP 236131	A3	19890125		
R: DE, FR, GB				
JP 62205351	A2	19870909	JP 1986-50077	19860305
JP 06016164	B4	19940302		
US 4968594	A	19901106	US 1989-361817	19890601
PRIORITY APPLN. INFO.:			JP 1986-50077	19860305
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB A neg. Ag halide color photog. material that does not have any unwanted absorption in magenta color-forming layer and exhibits superior stability during storage in hot and humid atm. is comprised of .gtoreq.1 Ag halide emulsion layer contg. a pyrazolotriazole-type magenta coupler represented by the formula I or II (R = H, a group which, when the coupler is reacted with the oxidn. product of an arom. primary amine color developing agent to form a dye, can be eliminated; R1,R2 = alkyl, aryl, heterocycllyl, each group may be bonded to the C atom of the pyrazolotriazole nucleus through a bond group selected from O, N, or S) and a means for forming an unsharp pos. image. Thus a cellulose triacetate film support was coated with an antihalation layer, an intermediate layer, a less red-sensitive Ag halide emulsion layer, a highly red-sensitive Ag halide emulsion layer, an intermediate layer contg. the compd. III, a less green-sensitive Ag halide emulsion layer contg. a colored magenta coupler and the magenta coupler IV, a highly green-sensitive Ag halide emulsion layer contg. the colored magenta coupler and IV, a yellow filter layer, a less blue-sensitive Ag halide emulsion layer, a highly blue-sensitive blue-sensitive Ag halide emulsion layer, a 1st protective layer, and a 2nd protective layer, exposed to white light through a wedge, color developed, bleached, washed, fixed, and dried to show a gamma drop of 5%, a MTF of magenta image of 125, and a sensitivity of magenta image of 115 vs. 21, 100, and 100, resp., for a control contg. no III and a magenta coupler outside the scope of the invention.

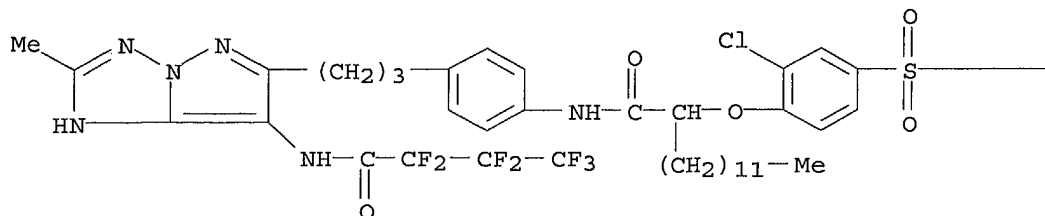
IT 112493-35-3

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. magenta coupler, for color materials of improved storage stability)

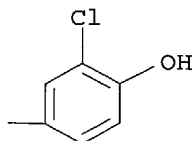
RN 112493-35-3 CAPLUS

CN Tetradecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[3-[7-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

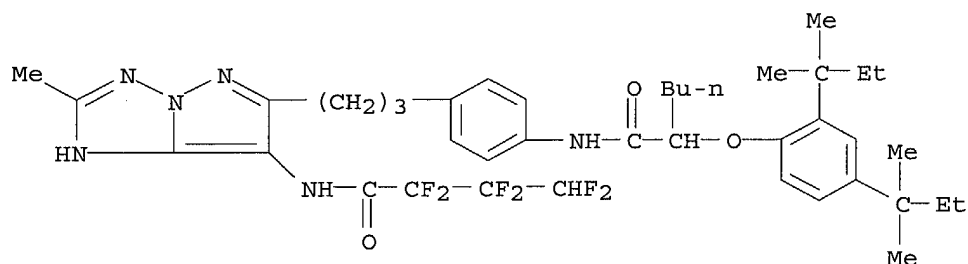


10091492

L4 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1988:177022 CAPLUS  
DOCUMENT NUMBER: 108:177022  
TITLE: Silver halide color photographic photosensitive materials with improved gradient characteristics  
INVENTOR(S): Kajiwara, Makoto; Onodera, Kaoru  
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 50 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 62198860	A2	19870902	JP 1986-42749	19860227
	JP 06058511	B4	19940803		

PRIORITY APPLN. INFO.: JP 1986-42749 19860227  
AB The title photog. materials have .gtoreq.1 emulsion layer which is prepd. by adding a coupler and a water-sol. Ag salt after chem. ripening of the emulsion. The preferred coupler is pyrazoloazole type magenta coupler, and the water-sol. Ag salt is selected from nitrite, nitrate, chlorate, perchlorate, sulfate, acetate, capronate, propionate, butyrate, valerate, isovalerate, and naphthoate.  
IT 113980-72-6  
RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. coupler, gradient characteristics in relation to)  
RN 113980-72-6 CAPLUS  
CN Hexanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[4-[3-[7-[(2,2,3,3,4,4-hexafluoro-1-oxobutyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)



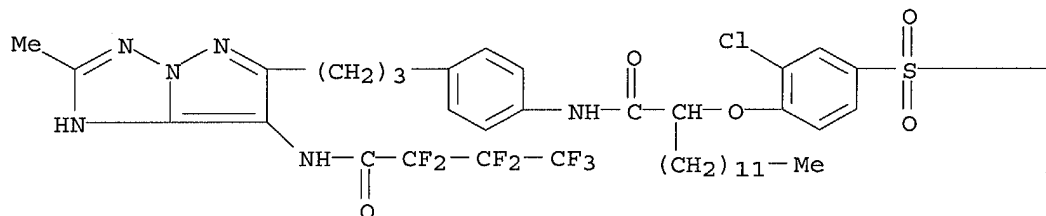
L4 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1988:65947 CAPLUS  
DOCUMENT NUMBER: 108:65947  
TITLE: Silver halide color photographic photosensitive materials  
INVENTOR(S): Ezaki, Atsuo; Ishikawa, Minoru  
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese

10091492

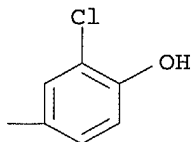
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 62172361	A2	19870729	JP 1986-14601	19860125
PRIORITY APPLN. INFO.:				JP 1986-14601	19860125
AB	The claimed photog. materials contain .gtoreq.1 pyrazolotriazole deriv. type magenta coupler and .gtoreq.1 noncolored phenolic compd. in .gtoreq.1 of the emulsion layers, and are kept at a relative humidity of .ltoreq.55%. The color photog. materials show improved storage stability.				
IT	<b>112493-35-3</b>				
	RL: TEM (Technical or engineered material use); USES (Uses) (photog. magenta coupler, stabilization of materials contg.)				
RN	112493-35-3 CAPLUS				
CN	Tetradecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[3-[7-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)				

PAGE 1-A



PAGE 1-B



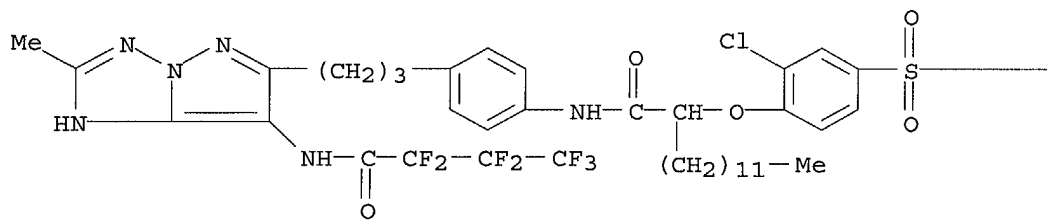
L4 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1988:65946 CAPLUS  
DOCUMENT NUMBER: 108:65946  
TITLE: Silver halide color photographic photosensitive materials  
INVENTOR(S): Ishikawa, Minoru; Ezaki, Atsuo  
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokyo Koho, 48 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:



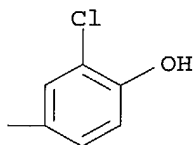
10091492

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 62172357	A2	19870729	JP 1986-14543	19860126
PRIORITY APPLN. INFO.:				JP 1986-14543	19860126
AB	The title photog. materials contain .gtoreq.1 pyrazolotriazole deriv. type magenta coupler and .gtoreq.1 cyclic ether, and they are stored at relative humidity .ltoreq.55%. The photog. materials show excellent storage stability.				
IT	112493-35-3				
	RL: TEM (Technical or engineered material use); USES (Uses) (photog. magenta coupler, storage stability of films contg.)				
RN	112493-35-3 CAPLUS				
CN	Tetradecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[3-[7-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)				

PAGE 1-A



PAGE 1-B



L4 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1988:65929 CAPLUS  
 DOCUMENT NUMBER: 108:65929  
 TITLE: Silver halide color photographic materials  
 INVENTOR(S): Watanabe, Yoshikazu; Ishikawa, Minoru  
 PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 46 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 62166342	A2	19870722	JP 1986-9783	19860120
PRIORITY APPLN. INFO.:				JP 1986-9783	19860120

10091492

AB More than one pyrazolotriazole magenta coupler is incorporated in the material having a total hydrophilic colloidal film thickness < 18 .mu.m on the side of Ag halide emulsion layers to improve its storage stability in high temp. and high humidity environments and provides images with improved sharpness. The material has red-sensitive Ag halide emulsion layers contg. cyan couplers, green-sensitive Ag halide emulsion layers contg. magenta couplers, and blue-sensitive Ag halide emulsion layers contg. yellow couplers.

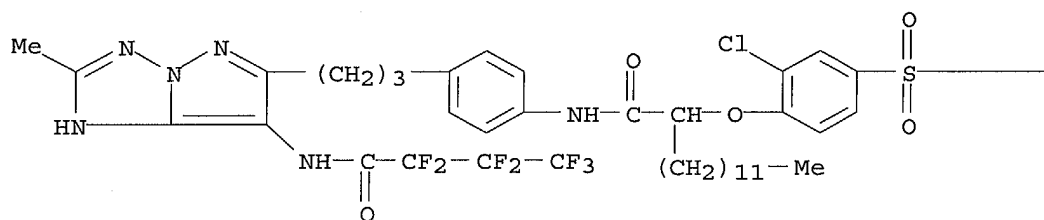
IT 112493-35-3

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. magenta coupler, for improved storage stability and images with improved sharpness)

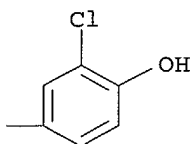
RN 112493-35-3 CAPLUS

CN Tetradecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[3-[7-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L4 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1988:65928 CAPLUS  
DOCUMENT NUMBER: 108:65928  
TITLE: Silver halide color photographic materials  
INVENTOR(S): Watanabe, Yoshikazu; Yamada, Yoshitaka  
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62166340	A2	19870722	JP 1986-9781	19860120

10091492

PRIORITY APPLN. INFO.:

JP 1986-9781

19860120

AB The material contains a pyrazolotriazole magenta coupler and a fogging agent-releasing compd., a development accelerator-releasing compd., or a compd. to release the precursor of the fogging agent or the development accelerator. The compd. releases the above fogging agent, the accelerator, or their precursors on coupling with oxidized developers. The material shows improved sensitivity and provides color images with improved graininess.

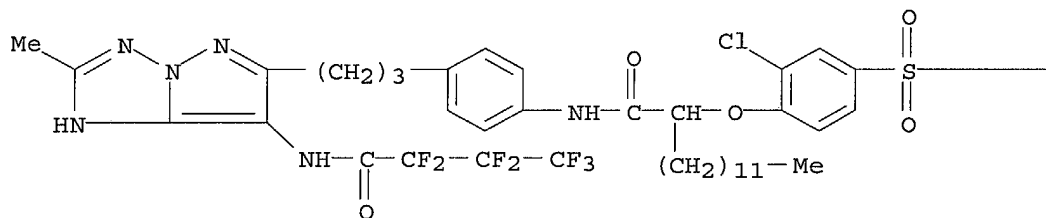
IT 112493-35-3

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. magenta coupler, for improved sensitivity and images with improved graininess)

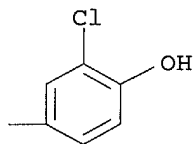
RN 112493-35-3 CAPLUS

CN Tetradecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[3-[7-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L4 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1988:46785 CAPLUS

DOCUMENT NUMBER: 108:46785

TITLE: Silver halide color photographic material

INVENTOR(S): Takada, Shun; Onodera, Kaoru; Nishijima, Toyoki

PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 53 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62173470	A2	19870730	JP 1986-16184	19860128

10091492

EP 235913 A2 19870909 EP 1987-300641 19870126  
 EP 235913 A3 19880907  
 EP 235913 B1 19901205

R: DE, FR, GB

US 4753870 A 19880628 US 1987-7800 19870128

PRIORITY APPLN. INFO.: JP 1986-16184 19860128

GI For diagram(s), see printed CA Issue.

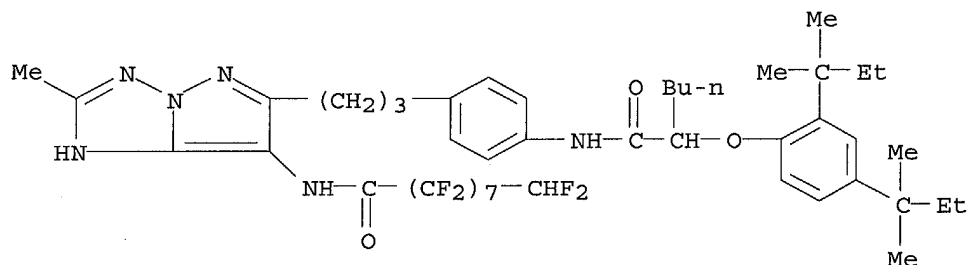
AB A pyrazolotriazole magenta coupler and an anionic surfactant are added to .gtoreq.1 Ag halide emulsion layer of the material to improve the stability of the magenta coupler dispersion and provide color images with improved lightfastness and reprodn. The magenta coupler has the formula I (Z = N-contg. heterocyclic ring residue; X = H, group to be sepd. on coupling; R = H, substituent) and the surfactant has the formula R1(O)nSO3M (R1 = alkyl; M = H, cation; n = 0, 1).

IT 93846-40-3

RL: TEM (Technical or engineered material use); USES (Uses)  
 (photog. magenta coupler, for images with improved lightfastness and color reprodn.)

RN 93846-40-3 CAPLUS

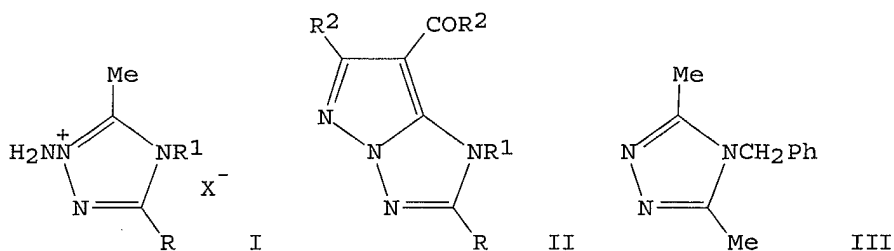
CN Nonanamide, N-[6-[3-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]propyl]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro- (9CI) (CA INDEX NAME)



L4 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1986:148883 CAPLUS  
 DOCUMENT NUMBER: 104:148883  
 TITLE: Pyrazolo[1,5-b][1,2,4]triazoles  
 INVENTOR(S): Sato, Tadahisa; Kawagishi, Toshio; Koyakata, Nobuo  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60190779	A2	19850928	JP 1984-45601	19840312
JP 04079349	B4	19921215		
JP 05186469	A2	19930727	JP 1992-194902	19920629
JP 07014940	B4	19950222		

PRIORITY APPLN. INFO.: JP 1984-45601 19840312  
 GI



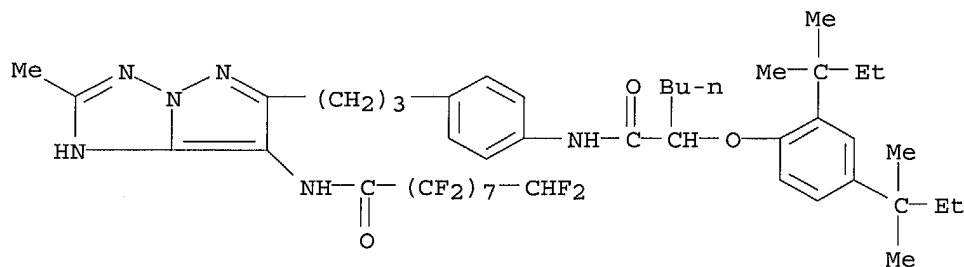
AB Triazolium salts I [R = H, (un)substituted alkyl, aryl; R1 = (substituted) alkyl, (substituted) aryl; X- = acid residue] underwent cyclocondensation reaction with (R2CO)2O or Me3CO2COR2 [R2 = H, alkyl, (substituted) aryl] to give the pyrazolotriazoles II. Thus, tetraacetylhydrazine underwent thermal decompn. to give 2,5-dimethyl-1,3,4-oxadiazole, which (19 g) reacted with 31 g PhCH2NH2 at 110.degree. for 4 h to give 26 g benzyltriazole III, which (75 g) was treated with aq. KO3SONH2 at 80-90.degree. for 6 h to give, after treatment with aq. HI, 39 g I (R = Me, R1 = PhCH2, X- = iodide), cyclocondensation of which (8 g) with 40 mL Ac2O in DMF at 120-130.degree. for 4 h gave 3.2 g II (R = R2 = Me, R1 = PhCH2).

IT 93846-40-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)

RN 93846-40-3 CAPLUS

CN Nonanamide, N-[6-[3-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]propyl]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro- (9CI) (CA INDEX NAME)



L4 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1986:111379 CAPLUS

DOCUMENT NUMBER: 104:111379

TITLE: Pyrazolo [1,5-b][1,2,4]triazole derivatives

INVENTOR(S): Sato, Tadahisa; Kawagishi, Toshio; Koyakata, Nobuo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

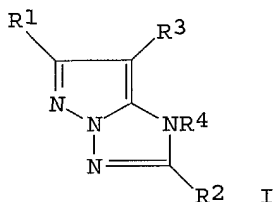
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

10091492

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60172982	A2	19850906	JP 1984-27745	19840216
JP 04056835	B4	19920909		
US 4621046	A	19861104	US 1985-702691	19850219
PRIORITY APPLN. INFO.:			JP 1983-45512	19830318
			JP 1984-27745	19840216
			US 1984-590818	19840319

GI



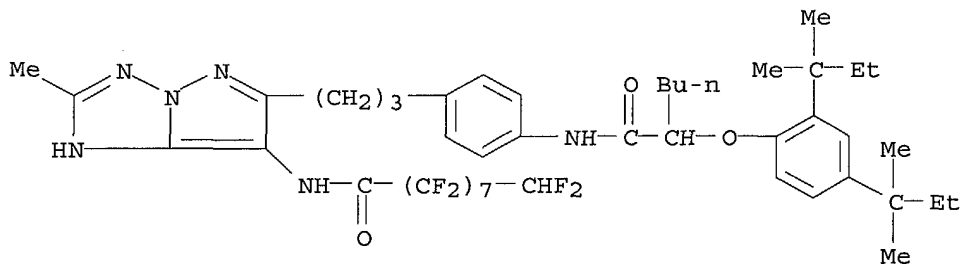
AB Compds. I having good properties as magenta couplers are prepd. where R1, R2 = H, alkyl, and Ph, R1 = R2 or R1 .noteq. R2 and optionally substituted, R3 = H, halogen, acyl, nitro, amino, or substituted amino groups, and R4 = H or aralkyl groups. Thus, I (R1, R2 = Me, R3 = Ac, R4 = CH2C6H5) was prepd.

IT 93846-40-3 100593-69-9

RL: USES (Uses)  
(magenta couplers)

RN 93846-40-3 CAPLUS

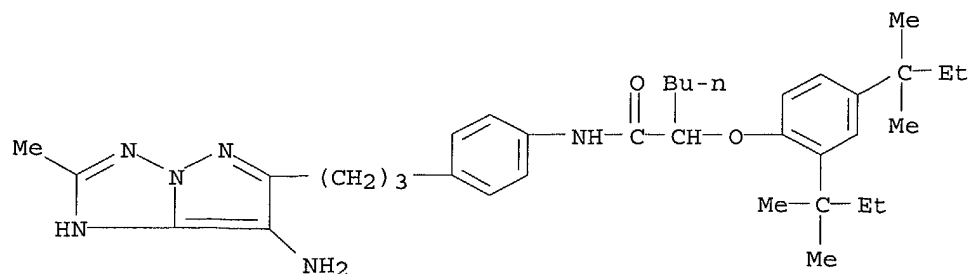
CN Nonanamide, N-[6-[3-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]propyl]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro- (9CI) (CA INDEX NAME)



RN 100593-69-9 CAPLUS

CN Hexanamide, N-[4-[3-(7-amino-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl)propyl]phenyl]-2-[2,4-bis(1,1-dimethylpropyl)phenoxy]- (9CI) (CA INDEX NAME)

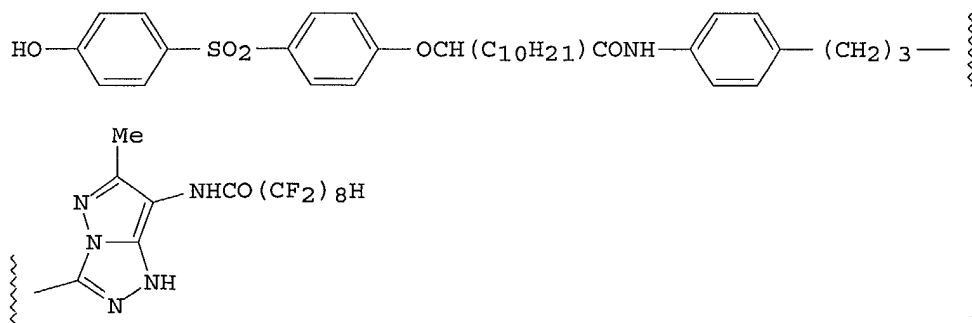
10091492



L4 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1986:12999 CAPLUS  
 DOCUMENT NUMBER: 104:12999  
 TITLE: Silver halide color photographic photosensitive materials  
 INVENTOR(S): Kawagishi, Toshio; Koyakata, Nobuo  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60140241	A2	19850725	JP 1983-250345	19831227
US 4585732	A	19860429	US 1984-686955	19841227
PRIORITY APPLN. INFO.: JP 1983-250345			19831227	
OTHER SOURCE(S): CASREACT 104:12999				

GI



I

AB Ag halide photog. photosensitive materials contain N-contg. condensed heterocyclic compd. couplers, in which 2 5-membered rings are condensed with each other and the coupling reaction-active position is substituted with an F-contg. carbonamido group. Thus, a green-sensitive Ag(Br,I) emulsion contg. the magenta coupler I was prepd. by using a conventional method., and the emulsion was coated on a film support. The film was sensitometrically exposed and developed to give magenta dye images with high relative sensitivity, high Dmax, and excellent light fastness.

10091492

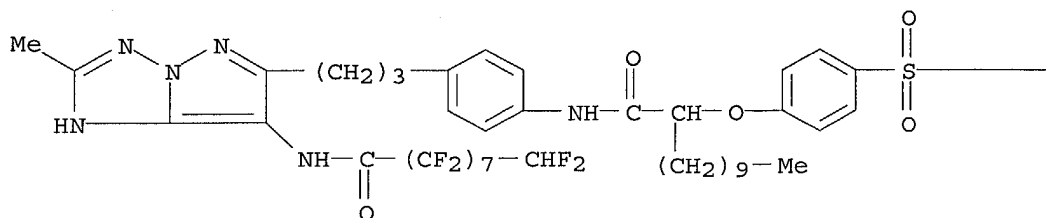
IT 99501-20-9 99501-21-0

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. magenta coupler)

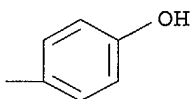
RN 99501-20-9 CAPLUS

CN Dodecanamide, N-[4-[3-[7-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro-1-oxononyl)amino]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl]phenyl]-2-[4-[(4-hydroxyphenyl)sulfonyl]phenoxy]- (9CI) (CA INDEX NAME)

PAGE 1-A

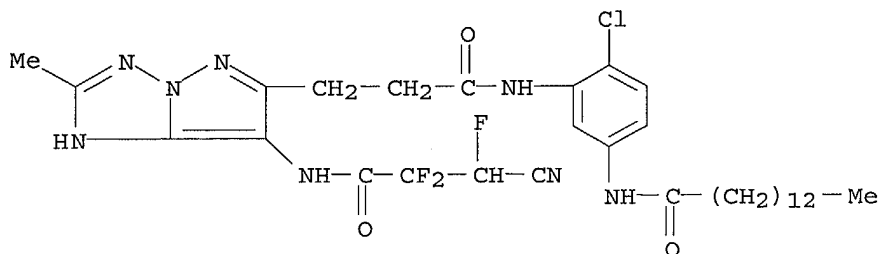


PAGE 1-B



RN 99501-21-0 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-propanamide, N-[2-chloro-5-[(1-oxotetradecyl)amino]phenyl]-7-[(3-cyano-2,2,3-trifluoro-1-oxopropyl)amino]-2-methyl- (9CI) (CA INDEX NAME)



IT 99501-25-4P

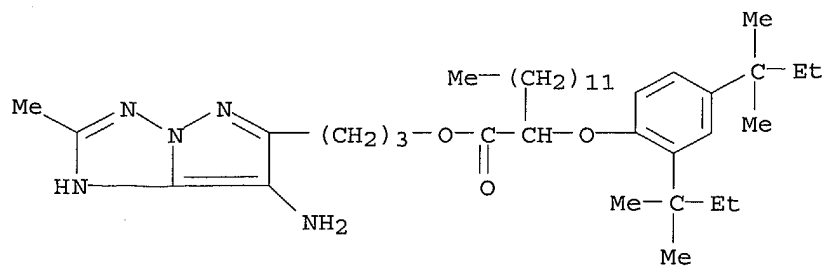
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of, in photog. magenta coupler prepn.)

RN 99501-25-4 CAPLUS

CN Tetradecanoic acid, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-, 3-(7-amino-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl)propyl ester (9CI) (CA INDEX NAME)



10091492

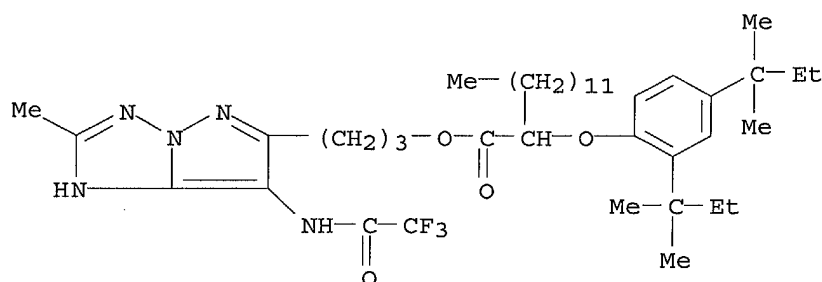


IT 99501-12-9P

RL: PREP (Preparation)  
(prepn. of, as photog. magenta coupler)

RN 99501-12-9 CAPLUS

CN Tetradecanoic acid, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-, 3-[2-methyl-7-[(trifluoroacetyl)amino]-1H-pyrazolo[1,5-b][1,2,4]triazol-6-yl]propyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1985:36637 CAPLUS

DOCUMENT NUMBER: 102:36637

TITLE: Pyrazolo magenta couplers used in silver halide photography

INVENTOR(S): Kawagishi, Toshio; Furutachi, Nobuo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd. , Japan

SOURCE: Eur. Pat. Appl., 112 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 119860	A2	19840926	EP 1984-301851	19840319
EP 119860	A3	19860326		
EP 119860	B1	19891025		
R: DE, GB				
JP 59171956	A2	19840928	JP 1983-45512	19830318
JP 02044051	B4	19901002		
US 4540654	A	19850910	US 1984-590818	19840319
EP 322003	A2	19890628	EP 1988-202586	19840319

10091492

EP 322003

A3 19891108

EP 322003

B1 19930623

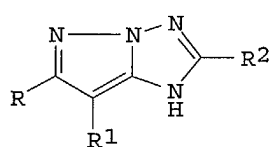
R: DE, GB

PRIORITY APPLN. INFO.:

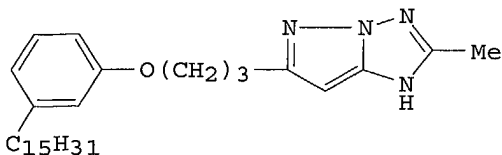
JP 1983-45512

19830318

GI



I



II

AB A photog. magenta coupler producing good images free from subsidiary yellow absorption is a pyrazolotriazole deriv. having the formula I (R, R2 = H, halo, aliph. or cyclic substituent; R1 = H, coupling releasable group; or R, R2 or R1 may form a bis-coupler, or R, R2 may link to a vinyl group of a vinyl monomer to form a polymer coupler). Thus, 300 g of a green-sensitive Ag(Cl, Br) emulsion contg. 13.5 g Ag and Br- content of 45 mol % was mixed with coupler II 5.5 g in trioctyl phosphate -EtOAc (15 mL each) solvent, 10% aq. gelatin 100 g, 2-hydroxy-4,6-dichloro-s-triazine, and Na dodecylbenzenesulfonate. The mixt. was coated on a cellulose triacetate support, overcoated with a gelatin overcoat, imagewise exposed, and processed to give an image with a max. d. of 2.6, a max. absorption wavelength of 536 nm, and a subsidiary absorption d at 420 nm of 0.049.

IT 93846-40-3P

RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(photog. magenta coupler, prepn. of)

RN 93846-40-3 CAPLUS

CN Nonanamide, N-[6-[3-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]propyl]-2-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro- (9CI) (CA INDEX NAME)

